

Fill-in areas are spaced for elite type, i.e., 12 pin printer. (Read the "General Instructions" before starting.)

FORM 1 GENERAL

ENVIRONMENTAL PROTECTION AGENCY  
GENERAL INFORMATION  
Consolidated Permits Program

I. EPA I.D. NUMBER  
F IL D 0 0 5 4 5 4 5 6 6 3 D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

US EPA RECORDS CENTER REGION 5  
474288

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X		
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	
B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP UNITED STATES STEEL - JOLIET WORKS

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)		B. PHONE (area code & no.)	
2 WALTERS ROBERT S CHIEF ENGR		3 1 2	9 3 3 2 2 6 1

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX		B. CITY OR TOWN		C. STATE	D. ZIP CODE
3 3 4 2 6 E 8 9 TH STREET		CHICAGO		IL	6 0 6 1 7

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER		B. COUNTY NAME		C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE (if known)
5 9 2 7 COLLINS STREET		WILL		JOLIET	IL	6 0 4 3 2	1 9 7

NOV 18 1980

I. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
3	3	1	2	(specify)	STEEL MILLS	C	7
15	16	17	18			19	20
C. THIRD				D. FOURTH			
				(specify)		E	7
21	22	23	24			25	26

II. OPERATOR INFORMATION

A. NAME															B. Is the name listed in Item VIII-A also the owner?										
UNITED STATES STEEL CORPORATION															<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO										
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)															D. PHONE (area code & no.)										
F = FEDERAL					M = PUBLIC (other than federal or state)					P (specify)					C										
S = STATE					O = OTHER (specify)					A					4 1 2 4 3 3 6 0 1 2										
P = PRIVATE										34					15 16 17 18 19 20 21 22 23 24										
E. STREET OR P.O. BOX																									
00 GRANT STREET																									
F. CITY OR TOWN															G. STATE		H. ZIP CODE		IX. INDIAN LAND						
PITTSBURGH															P A		1 5 2 3 0		Is the facility located on Indian lands?						
																			<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO						
															40		41 42		47		51				

EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)										D. PSD (Air Emissions from Proposed Sources)									
I L 0 0 0 2 6 7 4										9 P									
10 11 12 13 14 15 16 17 18 19										20 21 22 23 24 25 26 27 28 29									
B. UIC (Underground Injection of Fluids)										E. OTHER (specify)									
U										(specify) STATE PERMITS (SEE ATTACHED SHEET)									
10 11 12 13 14 15 16 17 18 19										20 21 22 23 24 25 26 27 28 29									
C. RCRA (Hazardous Wastes)										E. OTHER (specify)									
R										(specify)									
10 11 12 13 14 15 16 17 18 19										20 21 22 23 24 25 26 27 28 29									

I. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

F9:A/50

II. NATURE OF BUSINESS (provide a brief description)

THE FACILITY PRODUCES SPLICES FOR RAILROAD, BARS AND WIRE.

F9:A/51

III. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE		C. DATE SIGNED	
J. R. FERGUSON, JR. SR. VP & ASSIST. TO PRESIDENT		<i>J R Ferguson Jr</i>		11/17/80	

COMMENTS FOR OFFICIAL USE ONLY

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FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below (mark one box only) to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION (place an "X" below and provide the appropriate date)

☒ 1. EXISTING FACILITY (See instructions for definition of "existing" facility. Complete item below.)

☐ 2. NEW FACILITY (Complete item below.)

FOR EXISTING FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (use the boxes to the left)

FOR NEW FACILITIES, PROVIDE THE DATE (yr., mo., & day) OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION (place an "X" below and complete Item I above)

☐ 1. FACILITY HAS INTERIM STATUS

☐ 2. FACILITY HAS A RCRA PERMIT

III. PROCESSES - CODES AND DESIGN CAPACITIES

A. PROCESS CODE - Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code(s) in the space provided. If a process will be used that is not included in the list of codes below, then describe the process (including its design capacity) in the space provided on the form (Item III-C).

B. PROCESS DESIGN CAPACITY - For each code entered in column A enter the capacity of the process.

1. AMOUNT - Enter the amount.

2. UNIT OF MEASURE - For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	PROCESS	PRO-CESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
<b>Storage:</b>			<b>Treatment:</b>		
CONTAINER (barrel, drum, etc.)	S01	GALLONS OR LITERS	TANK	T01	GALLONS PER DAY OR LITERS PER DAY
TANK	S02	GALLONS OR LITERS	SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS	INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS	OTHER (Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)	T04	GALLONS PER DAY OR LITERS PER DAY
<b>Disposal:</b>					
INJECTION WELL	D79	GALLONS OR LITERS			
LANDFILL	D80	ACRE-FEET (the volume that would cover one acre to a depth of one foot) OR HECTARE-METER			
LAND APPLICATION	D81	ACRES OR HECTARES			
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY			
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS			
UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

D U P										3 1									
LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY		LINE NUMBER	A. PRO-CESS CODE (from list above)	B. PROCESS DESIGN CAPACITY		FOR OFFICIAL USE ONLY									
		1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)					1. AMOUNT	2. UNIT OF MEASURE (enter code)										
X-1	S 0 2	600	G			5													
X-2	T 0 3	20	E			6													
1	S 0 1	20,000	G			7													
2						8													
3						9													
4						10													

**RI. PROCESSES (continued)**

**C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04" FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.**

**IV. DESCRIPTION OF HAZARDOUS WASTES**

**A. EPA HAZARDOUS WASTE NUMBER** — Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

**B. ESTIMATED ANNUAL QUANTITY** — For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

**D. UNIT OF MEASURE** — For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE
POUNDS . . . . .	P
TONS . . . . .	T

METRIC UNIT OF MEASURE	CODE
KILOGRAMS . . . . .	K
METRIC TONS . . . . .	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

**D. PROCESSES****1. PROCESS CODES:**

**For listed hazardous waste:** For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

**For non-listed hazardous wastes:** For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

**Note:** Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

**2. PROCESS DESCRIPTION:** If a code is not listed for a process that will be used, describe the process in the space provided on the form.

**NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER** — Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
3. Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

**EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below)** — A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES					
				1. PROCESS CODES (enter)				2. PROCESS DESCRIPTION (if a code is not entered in D(1))	
X-1	K 0 5 4	900	P	T	0	3	D	8	0
X-2	D 0 0 2	400	P	T	0	3	D	8	0
X-3	D 0 0 1	100	P	T	0	3	D	8	0
X-4	D 0 0 2								included with above

EPA I.D. NUMBER (enter from page 1)															FOR OFFICIAL USE ONLY													
W I L O 0 0 5 4 5 4 5 6 6 3 1															W DUP 3 2 DUP													
IV. DESCRIPTION OF HAZARDOUS WASTES (continued)																												
W I Z Z	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE (enter code)	D. PROCESSES																								
				1. PROCESS CODES (enter)								2. PROCESS DESCRIPTION (if a code is not entered in D(1))																
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
01	D	0	0	1	2,000 000										P	S	0	1										
02	D	0	0	2												S	0	1										
3	D	0	0	8	2,300 000										T	S	0	1										
04	U	0	0	2	500 000										P	S	0	1										
05	U	0	4	4												S	0	1										
06	U	1	1	7												S	0	1										
07	U	1	3	4												S	0	1										
08	U	1	5	4												S	0	1										
09	U	2	2	8												S	0	1										
10																												
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26																												

## IV. DESCRIPTION OF HAZARDOUS WASTE (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

F	I	L	D	0	0	5	4	5	4	5	6	6	T/A	C
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

## V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

F6:A/55

## VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

F6:N/56

## VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, &amp; seconds)

LONGITUDE (degrees, minutes, &amp; seconds)

4	1	3	2	2	4	0
45	46	47	48	49	50	51

0	8	8	0	4	4	7	0
72	73	74	75	76	77	78	79

## VIII. FACILITY OWNER

☒ A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code &amp; no.)

E														
18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

3. STREET OR P.O. BOX

4. CITY OR TOWN

5. ST.

6. ZIP CODE

F														
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47

## IX. OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

J. R. FERGUSON, JR.  
SR. VP. & ASSIST. TO PRESIDENT

B. SIGNATURE

J R Ferguson

C. DATE SIGNED

11/17/80

## X. OPERATOR CERTIFICATION

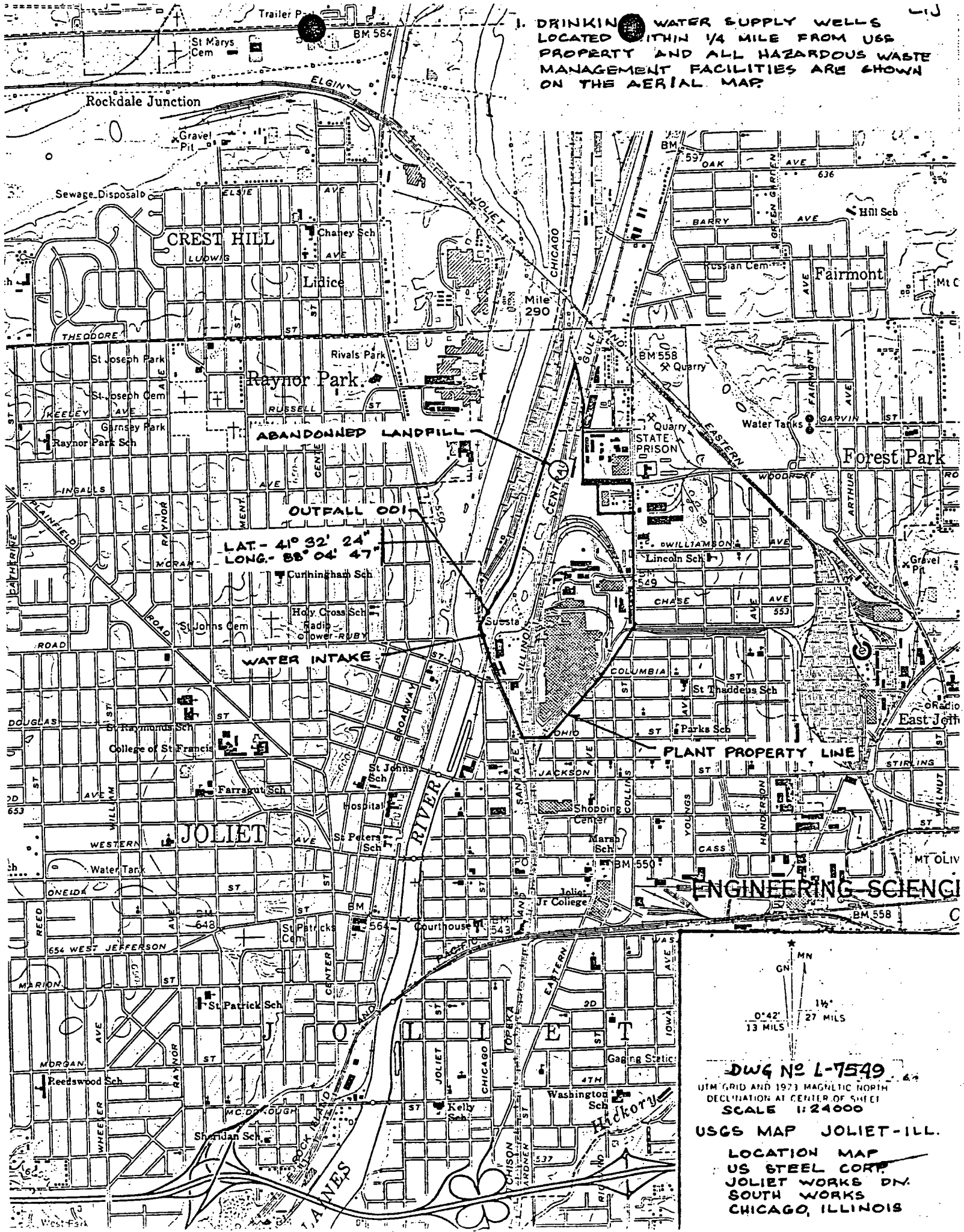
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)

B. SIGNATURE

C. DATE SIGNED

1. DRINKING WATER SUPPLY WELLS LOCATED WITHIN 1/4 MILE FROM USE PROPERTY AND ALL HAZARDOUS WASTE MANAGEMENT FACILITIES ARE SHOWN ON THE AERIAL MAP



**DWG NO L-7549**  
 UTM GRID AND 1973 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET  
 SCALE 1:24000  
 USGS MAP JOLIET-ILL.  
 LOCATION MAP  
 US STEEL CORP.  
 JOLIET WORKS DM.  
 SOUTH WORKS  
 CHICAGO, ILLINOIS



400 W. Galena Aurora, IL 60506

DIVISION OF PUBLIC WATER SUPPLIES  
TELEPHONE 312-896-5001

215

October 9, 1980

ACK - 10  
EPA x w/print

10/13/80

Mr. Andrew Kubala  
Engineering - Science  
1010 Jorie Boulevard  
Oak Brook, Illinois 60521

Dear Mr. Kubala:

This letter is in response to your letter of October 6, 1980 inquiring about Public Water Supply Wells within one quarter (1/4) mile radius of the United States Steel property in Joliet. Our records indicate that there are no public water supply wells in the area.

We are returning your aerial photograph (enclosed).

If we can be of further assistance, please contact us.

Very truly yours,

ENVIRONMENTAL PROTECTION AGENCY

Leonard A. Lindstrom, P.E.

Regional Manager

Division of Public Water Supplies

LAL:rnw  
cc: Springfield  
File





STATE OF ILLINOIS  
DEPARTMENT OF MINES & MINERALS

**OIL AND GAS DIVISION**

WM. G. STRATTON OFFICE BUILDING  
400 SOUTH SPRING STREET  
SPRINGFIELD, ILLINOIS 62706  
TELEPHONE 782-7766

GEORGE R. LANE  
PETROLEUM ENGINEER

October 29, 1980

Fran Sabugal  
Engineering Science  
1010 Jorie Blvd.  
Elk Brook, IL 60521

Dear Mr. Sabugal:

The following is a list of wells in Will county which you have requested. Also requested were wells in Cook county, however, the legal description you gave was incorrect as there is no range 15E in Cook County.

1. #62859, issued 6-28-77 to Richard Mejia  
SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 3 35N 10E
2. #C1029, issued 5-20-77 to Ken Smith  
SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 3 35N 10E
3. #41721, issued 10-2-75 to Tony Greenhouse  
NE $\frac{1}{4}$ , NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , Sec. 3 35N 10E
4. #34833, issued 11-15-74 to Mary Fudlo  
Lot #9, Bruce, Hopkins & Bacon's  
Subd., NW $\frac{1}{4}$ , NE $\frac{1}{4}$ , SE $\frac{1}{4}$ , Sec. 3 35N 10E
5. #32937, issued 9-11-74 to J. G. Zambrano  
NE $\frac{1}{4}$ , NE $\frac{1}{4}$ , SW $\frac{1}{4}$ , Sec. 3 35N 10E
6. #14110, issued 8-23-71 to Jesse Padilla  
Lot #9, Blk #2, Bruce, Hopkins, &  
Bacon's Subd., Sec. 3 35N 10E
7. #2791, issued 6-20-67 to Dominic C. DiSalvo  
SW $\frac{1}{4}$ , SW $\frac{1}{4}$ , NE $\frac{1}{4}$ , Sec. 3 35N 10E
8. #16646, issued 2-29-72 to Lizzabell Vonch  
SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , SE $\frac{1}{4}$ , Sec. 10 35N 10E

If you want a list of those wells in Cook County, please give the correct legal description and we will send a list of those wells in that area.

Yours truly,

*Gary S. Gray*  
Gary S. Gray

except 5 & 7  
all above wells not within 1/4 mile from  
USC Prange Tr.